Angular Features Overview

What is Angular?

- Most popular frontend framework to create maintainable web applications.
- Completely re-write of AngularJS.
- Developed by Google.
- Angular CLI enables you to create things faster.

Application State
[Stored in the Component]

Design Logic
[Written in Template]

Application Logic
[Written in the Component]

Business Logic
[Written in Service]

Goals and Advantages of Angular



Separation of DOM Manipulation Logic from Application Logic



Separation of HTML Logic from Application Logic



Make the code Unit Testable



Make the "Single-Page Application Development" easier

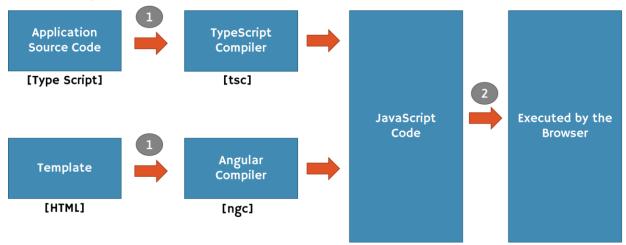


Separation of Business Logic from Application Logic



Make the code maintainable

Code Compilation Process



Do's and Don'ts of Angular

Don'ts:

- Never perform DOM manipulations directly in Angular Components, to make the "application logic" independent of "design logic" and make it unit testable.
- × Never write JavaScript code in Angular Templates.
- × Never write Business logic in Components.
- * Avoid using jQuery to manipulate DOM elements.

Do's:

- ✓ Always use Routing and Modules.
- ✓ Prefer Routing Guards and JWT for Authentication & Security.
- ✓ Always manipulate "application data" by writing the "application logic" in the components.
- ✓ Always place global css styles in "styles.css" file and local css styles in "component.css" file.
- ✓ Always write "REST-API calls (AJAX)" and Business Logic in Services only; and return Observables from Services.
- ✓ Prefer to use Bootstrap [or equivalent].
- ✓ Always use CSS-pre processor, such as SCSS.